

UNIVERSITY OF CALIFORNIA MEDICAL CENTER  
SAN FRANCISCO 22, CALIFORNIA

SCHOOL OF MEDICINE  
Radiological Laboratory

December 27, 1954

Dr. Joshua Lederberg  
Department of Genetics  
University of Wisconsin  
Madison, Wisconsin

Dear Dr. Lederberg:

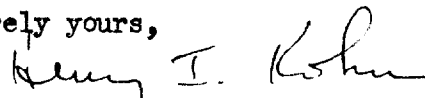
Dr. Shirley Gunter and I, using x-rays, have been studying the dose-survival curves for various strains of bacteria and unicellular yeasts. Thus far we have worked with several strains of coli, including K-12 and W-1485-L, Pseudomonas, Azotobacter, Rhodopseudomonas and S. cerevisiae (haploid and diploid).

For obvious reasons we would very much like to test the strain of coli which can be obtained in either the haploid or diploid form. Dr. Adelberg of the Department of Microbiology in Berkeley tells us that permission to use this strain must be obtained from you. Hence this letter of inquiry.

We would like to do one kind of experiment. It would involve determining the dose-survival curve for the haploid and diploid strains under our standardized conditions. The latter involve exposure in phosphate-buffer-magnesium-sulfate solution, pH 7, at a cell concentration of about  $10^4$ /ml, the suspension being in equilibrium with air at room temperature. We do not plan to do any genetic experiments.

If such work does not interfere with your own program, would you be willing to supply us with the strains and the directions for their use, or may we obtain them through Dr. Adelberg? If you were quite interested in the experiment, we would be glad to publish the results in collaboration with you.

Sincerely yours,



Henry I. Kohn, M.D.  
Clinical Professor of  
Experimental Radiology